



500.43057X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: H. MATSUSHIGE, et al

Serial No.: 10/649,687

Filed: August 28, 2003

For: **STORAGE UNIT AND CIRCUIT FOR SHAPING  
COMMUNICATION SIGNAL**

Group: 2188

Examiner: G. J. Portka

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 17, 2006

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first Office Action on the merits.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.43057X00) please credit any excess fees to such deposit account.

Respectfully submitted,



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Registration No. 29,621  
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FORM PTO-1449 U.S. Department of  
Commerce Patent and Trademark OfficeINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

MAY 17 2006

(Use several sheets if necessary)

ATTY. DOCKET NO.

500.43057X00

SERIAL NO.

10/649,687

APPLICANT  
H. MATSUSHIGE, et alFILING DATE  
August 28, 2003

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		2	0	0	5	2	8	0	6						
2001		0	0	5	2	8	0	6	12/01	Gu, et al					
2002		0	1	2	9	1	8	2	9/02	Coffey					
2002		0	1	3	8	6	9	2	9/02	Gerhart					

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		1	1	1	5	0	6	4					YES	NO
		1	1	1	5	0	6	4	7/01	European				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER \_\_\_\_\_ DATE CONSIDERED \_\_\_\_\_

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])